

Virginia Transportation Research Council
Contract/Grant Progress Report

Project No: <u>TPF-5 (225)</u>	Starting Date: <u>09/01/2010</u>	Target Completion Date: <u>09/01/2013</u>
Project Title: <u>Validation of Hot-Poured Crack Sealant Performance Based Guidelines</u>		
Performing Agency: <u>University of Illinois at Urbana-Champaign</u>		
Principal Investigator(s): <u>Imad L. Al-Qadi</u>		
Date of This Report: <u>05/31/2011</u>	Next Report Due Date: _____	

Project Description
This study will validate the developed laboratory tests in the Phase-I, determine the thresholds using a more diverse array of field performance data, and establish crack sealant installation guidelines.

Research Activities Pursued This Period:
<ul style="list-style-type: none"> - The proposal was modified based on the feedback of the panel members after the kick-off meeting. It was submitted for review and approved by the panel members. - Installation guidelines for field crack sealant installations were prepared and approved by the consortium. The guidelines provide details regarding test section layouts as well as construction details. - A test matrix was prepared. 5-6 different sealant products will be installed in each state. In total, 16 different sealants will be evaluated at 8 testbed sections. - A tele-conference meeting was held on April 5th, 2011. The details of upcoming field installation were discussed. - Preparation for field installations is underway. Some of the field test sections were identified. The equipment needed for installation were purchased or devised at the University of Illinois. Detailed crack surveys are planned for the test sections. The first survey will take place in Wisconsin on June 8th and first installation will take place in Virginia in late June. - Most manufacturers agreed to donate their products for testing. Sealants will be stored at the University of Illinois facilities and distributed to the test sections.
Problems Encountered:
No major problems were encountered during this quarter.

Project Budget Status:		
Current FY Project Budget: <u>\$153,451</u>		Project Budget Lifetime: <u>\$730,000</u>
Current FY Expenditures: <u>\$5,418</u>	as of <u>10/31/2010</u>	Expenditures LTD: <u>\$5,418</u>
Percent Expended this FY: <u>3.5%</u>	(Date)	Percent Expended LTD: <u>0.7%</u>

Timetable: Project is (check):
<input checked="" type="checkbox"/> On Schedule
<input type="checkbox"/> Behind Schedule, Will Meet Target Date
<input type="checkbox"/> Behind Schedule, Target Date Extension Needed (Attach Justification and Revised Timetable)
<input type="checkbox"/> Ahead of Schedule

Preparer's Name and Signature: <u>Imad L. Al-Qadi</u>	Date: <u>05/27/2011</u>
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VTRC Staff Technical Monitor: _____

Date: _____

Reviewed and Approved By: _____
(VTRC Associate Director)

Date: _____

Chief, Technology, Research & Innovation Comments: